P.003

(19) World Intellectual Property Organization International Bureau

(43) International Publication Date 30 June 2005 (30.06.2005)

PCT

(10) International Publication Number WO 2005/059246 A1

(51) International Patent Classification?: C23C 24/00

D21G 3/00,

(21) International Application Number:

PCT/SE2004/001839

(22) International Filing Dute:

10 December 2004 (10.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0303516-9

19 December 2003 (19,12,2003)

(71) Applicant (for all designated States except I/S): SAND-VIK AB (publ) [SIVSE]; S-811 81 Sandviken (SE).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): SUNDQVIST, Maria [SE/SE]: Trollstigen 3, S-811 36 Sanviken (SE). WALDÉN, Bertil [SE/SE]; Villagaum 8, \$-811-61 Sund-
- (74) Agent: MELIN, Linda; Sandvik AB, Intellectual Properry, S-811 81 Sundviken (SE),

(81) Designated States (unless otherwise indicated, for every kind of national protection (vailable): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN. CO, CR, CU, CZ, DE, DK, DM, DZ, EC, UE, EG, US, FL GB, GD, GE, GH, GM, HR, HD, HD, HL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW. MX, MZ, NA, NI, NO, NZ, OM, PG. PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM. ZW.

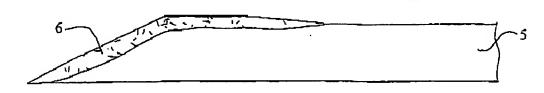
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GII, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW). Burusian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European (AT. BE, HG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, 111, IE, IS, IT. LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter vodes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: EDGE-PROVIDED TOXIL AND METHOD FOR THE MANUFACTURE THEREOF



(57) Abstract: The invention relates to an edge-provided tool, such as a doctor blade, for use as wiping tool in the production of pulp and/or paper in different stages of the production process. It consists of an edge-provided strip of steel, the edge portion of which has has provided with a wear-maistant coating applied by means of laser technique, so that metallurgical hinding is present between said coating and the steel strip, whereby a level of surface hardness of more than 850 HV being attained. Thereby, wear-resistant doctor blades having a long service life have been obtained.

BEST AVAILABLE COPY